

ABOUT THE INSTITUTION

The pride of the institution is that Sri Thirunavukarasu Dhanalakshmi Educational and Charitable Trust caters to the knowledge thirst of the youth. Arasu Engineering College is approved by AICTE, New Delhi and affiliated to Anna University, Accredited by NBA, Accredited by NAAC and Recognized by UGC under 2(f) and 12(B). It is an ISO 9001-2008 certified institution for its merits and continual improvements.

The college offers infrastructural facilities of the most modern kind. It has large spacious and airy classrooms, laboratories with latest equipments, large drawing halls, computer lab, air conditioned seminar halls, library, etc., making the learning process more effective. Each room is spaciously large to seat students comfortable to do their academic and practical works.

ABOUT THE DEPARTMENT

The department of EEE is accredited by NBA. It has a team of highly qualified, dedicated and motivated faculty members. It has been evolved into an exciting high technology discipline covering a wide spectrum of engineering activities. For young people, it provides employment opportunities of various natures and one can chose a career to suit their aptitude.



CHIEF PATRONS

Shri. R.Thirunavukkarasu M.A.,
Founder and Chairman

Shri.T.Senthilkumar B.Sc.,
Vice Chairman

Prof.S.Kothandapani M.A., M.Phil.,
Advisor

PATRON

Dr. T.Balamurugan M.E., Ph.D.,
Principal

CONVENERS

Dr.C.Venkatesan M.E., Ph.D.,
Professor & Head
Department of EEE

Mr. S.Chandrasekaran M.E., (Ph.D.,)
Assistant Professor of EEE

COORDINATORS

Mrs.M.Saranya M.E., | **Mrs.N.Vimalbharathi M.E.,**
Asst. Prof. of EEE | Asst. Prof. of EEE

SPONSOR'S REPRESENTATIVE

Mr.S. Dhulafile Ahamed
Area Sales & Service Manager – Trichy
Cell:9994710029, 9840909211

VENUE & INSTITUTIONAL CONTACT

Seminar Hall-I,
Department of Electrical and Electronics Engineering
Mrs.M.Saranya, Asst. Prof. of EEE
Cell: 9944015100, Email: manisaranya@gmail.com

ELIGIBILITY

Faculty working in Engineering College

Registration Fee: FREE

Filled in registration form to be send to
events@labtech.co.in

IMPORTANT DATES TO REMEMBER

- Last date for receipt of application: 17.12.2019
- Acceptance will be intimated: 18.12.2019
- FDP Date: 20.12.2019



Arasu Engineering College
Department of Electrical and
Electronics Engineering
Chennai Main Road,
Kumbakonam-612501

Organizes

One Day FDP On
Renewable Energy Systems
Laboratory- Hands on
Training

20TH DECEMBER, 2019

SPONSORED BY



LABTECH ELECTRONICS PVT.LTD.

(An ISO 9001:2008 Certified Company)
TS-69A, SIDCO INDUSTRIAL ESTATE
(GUINDY) EKKATTUTHANGAL, CHENNAI -
600 032, Tamil Nadu, INDIA
044-22250253,
9840909211/9840839871/75

E-mail: admin2@labtech.co.in

Time	Schedule	Session
9.00 am	Registration	-
9.30 am to 10.15 am	Inaugural Address	Welcome Address Mr.S.Chandrasekaran Asst. Professor/EEE, AEC Presidential Address Dr.T.Balamurugan Principal, AEC Vote of Thanks Mrs.M.Saranya Asst. Professor/EEE, AEC
10.15 am to 10.30 am	Tea Break	-
10.30 am to 11.30 am	Presentations Session1	Presentation on Solar PV OFF-Grid, ON-Grid System Design By Mrs.S.Muthulakshmi Director LABTECH ELECTRONICS PVT.LTD
11.30 am to 12.30 pm	Presentations Session2	Presentation on Wind and Fuel Cell Energy System Design By Mr.G.Yuvaraj Director LABTECH ELECTRONICS PVT.LTD
12.30 pm to 01.30 pm	Lunch Break	Lunch will be provided
1.30 pm to 4.00 pm	Hands-on Practical Session	Hands-on Experiments with complete set of Software Tools and Equipments to demonstrate the Renewable Energy Systems lab
4.00 pm to 4.15 pm	Tea Break	-
4.15 pm to 4.45 pm	Valedictory	Certificates will be issued to all participating delegates

Tools & Equipments Provided for Hands -on Training

1. OFF-Grid Solar Renewable Energy System (1kW)
2. ON-Grid Solar (Grid-Tied) Renewable Energy System (1kW)
3. Micro-Wind Energy System
4. Solar-Wind Hybrid System
5. 100W Fuel Cell System
6. Solar PV Emulator
7. MATLAB tools for Simulation Study on Solar and Wind, Hybrid Energy Systems & Hydel Power Generation, Intelligent controller for Hybrid System, etc.
8. Other tools: Power Analyzer, Wind Anemometer, Solar Radiation & temperature measurement using solar Power meter, etc.
9. Solar Cell design software

List of Topics to be Covered in Presentation Session

- ✚ Concepts like Grid-Tied (ON-Grid), Off-Grid, Shadowing Effect, Diode based solutions, Solar System Efficiency calculations, I-V Curve, MPPT, Performance Assessment, Anti-Islanding in Grid-Tied Inverter, Voc, Isc, Vmp, Imp, Series/Parallel combination effect, etc.
- ✚ Study about Solar PV Emulator
- ✚ Design of OFF-Grid Solar Renewable Energy System (1kW)
- ✚ Design of ON-Grid Solar (Grid Tied) Renewable Energy System (1kW)
- ✚ Design of Micro-Wind Energy System
- ✚ Design of Solar-Wind Hybrid System
- ✚ Performance Analysis of 100W Fuel Cell system
- ✚ Simulation Study on Solar and Wind, Hybrid Energy Systems, Hydel Power Generation & Intelligent controller for Hybrid System using MATLAB
- ✚ Solar Cell design using software.

Registration Form

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Department of Electrical and Electronics Engineering
Chennai Main Road,
Kumbakonam-612501

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Laboratory - Hands on Training
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The following faculty member is nominated to attend the FDP:

NAME.....

DESIGNATION.....

NAME OF COLLEGE.....

EMAIL ID.....

MOBILE NUMBER.....

ADDRESS.....

Attestation by the Principal/HOD

Please email or courier your filled in reply form to the Event Sponsor:

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